Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/06/2017 01:39 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124681	-1	1.89	124475	1.83
Blue	F	SSC	125000	123608	-2	3.31	123818	3.04
Blue	E	FITC	23795	23073	-4	2.92	1027	10.80
Blue	D	PE	29673	29080	-2	2.50	1043	10.06
Blue	B	PerCP-Cy5-5	48943	48093	-2	3.75	1385	17.59
Blue	A	PE-Cy7	44112	43988	-1	5.56	681	36.92
Red	C	APC	54273	53934	-1	2.80	3104	9.60
Red	A	APC-Cy7	54945	54267	-2	2.80	1129	11.26
Violet	B	V450	15756	14977	-5	4.32	716	9.24
Violet	A	V500	62569	61303	-3	4.10	2719	6.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19487	3.24	615	1	N/A	N/A	Pass
Blue	F	SSC	61291	1.85	547	1	N/A	N/A	Pass
Blue	E	FITC	114	39.65	551	1	0.0188	125	Pass
Blue	D	PE	228	30.35	549	3	0.1625	292	Pass
Blue	B	PerCP-Cy5-5	215	46.96	640	1	0.0093	99	Pass
Blue	A	PE-Cy7	70	128.68	697	-2	0.0110	17	Pass
Red	C	APC	365	28.13	602	2	0.0197	78	Pass
Red	A	APC-Cy7	123	40.95	579	-5	0.0055	1589	Pass
Violet	B	V450	88	41.93	473	1	0.0447	1843	Pass
Violet	A	V500	199	24.60	502	3	0.0143	885	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.41	-30.78	0.89
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	16.10	13.27 - 19.91	N/A	N/A	30.82	31.37	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14392

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments